



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Sector *[Signature]*

PATENT APPLICATION

**INVENTOR(S)** Erich Franz Haratsch,  
Harish Viswanathan  
**CASE** 1-4  
**SERIAL NO.** 09/326,785  
**FILED** June 4, 1999  
**TITLE** Method and Apparatus for Reducing the Computational Complexity  
and Relaxing the Critical Path of Reduced State Sequence Estimation  
(RSSE) Techniques

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I hereby certify that this paper or fee is being deposited with the  
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Trademarks, Washington, D.C. 20231

Date of Deposit: August 24, 1999

Signature: Kevin M. Mason

TRANSMITTAL OF MISSING PARTS

COMMISSIONER OF PATENTS  
AND TRADEMARKS  
WASHINGTON, D.C. 20231  
Box Missing Parts

SIR:

In response to the Notice to File Missing Parts, dated June 25, 1999, Applicants submit herewith the following documents to complete the above-referenced patent application:

- (1) Declaration and Power of Attorney;
- (2) Assignment with Recordation Cover Sheet; and
- (3) Information Disclosure Statement with PTO-1449 and cited references.

A copy of the Notice is enclosed herewith. Please charge **Lucent Technologies Deposit Account No. 12-2325** the amount of \$130.00, to cover the surcharge under 37 CFR §1.16(e). *Duplicate copies of this letter are enclosed.* In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 12-2325** as required to correct the error.

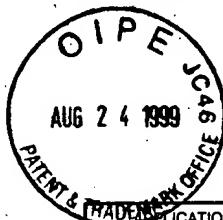
Respectfully,

*Kevin M. Mason*

Kevin M. Mason  
Reg. No. 36,597  
Attorney for Applicant(s)

Date: August 24, 1999

Ryan & Mason, L.L.P.  
90 Forest Avenue  
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**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
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09/326,785 06/04/99 HARATSCH

E 1-4

0262/0625

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RYAN & MASON LLP  
90 FOREST AVENUE  
LOCUST VALLEY NY 11560

NOT ASSIGNED

2776

DATE MAILED:

06/25/99

**NOTICE TO FILE MISSING PARTS OF APPLICATION****Filing Date Granted**

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of  \$65.00 for a small entity in compliance with 37 CFR 1.27, or  \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

*If all required items on this form are filed within the period set above, the total amount owed by applicant as a*

small entity (statement filed)  non-small entity is \$ 130.

1. The statutory basic filing fee is:

missing.  
 insufficient.

*Applicant must submit \$ \_\_\_\_\_ to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*

2. The following additional claims fees are due:

\$ \_\_\_\_\_ for \_\_\_\_\_ total claims over 20.

\$ \_\_\_\_\_ for \_\_\_\_\_ independent claims over 3.

\$ \_\_\_\_\_ for multiple dependent claim surcharge.

*Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.*

3. The oath or declaration:

is missing or unsigned.  
 does not cover the newly submitted items.

*An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.*

4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*

5. The signature of the following joint inventor(s) is missing from the oath or declaration:

*An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.*

6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

7. Your filing receipt was mailed in error because your check was returned without payment.

8. The application was filed in a language other than English.

*Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).*

9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

**A copy of this notice MUST be returned with the reply.**

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

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130.00 CH  
27/1999 ASHLEFC:105  
U.S. GPO: 1998-146-824